Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/06/2018 11:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124309	-1	2.47	124351	2.49
Blue	F	SSC	125000	122568	-2	4.11	123398	4.17
Blue	E	FITC	15492	15045	-3	4.09	349	22.18
Blue	D	PE	28736	28027	-3	3.39	617	16.47
Blue	B	PerCP-Cy5-5	41413	41205	-1	4.89	1131	22.69
Blue	A	PE-Cy7	31321	31205	-1	7.15	564	47.07
Red	C	APC	41673	40726	-3	3.04	1574	13.47
Red	A	APC-Cy7	29962	29451	-2	2.90	738	14.12
Violet	B	V450	8318	7898	-6	4.49	437	14.98
Violet	A	V500	34199	33173	-4	4.17	799	11.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20324	4.62	606	-7	N/A	N/A	Pass
Blue	F	SSC	55458	3.66	572	4	N/A	N/A	Pass
Blue	E	FITC	58	72.23	556	-5	0.0151	117	Pass
Blue	D	PE	122	57.86	555	-5	0.1301	285	Pass
Blue	B	PerCP-Cy5-5	207	55.46	661	-6	0.0076	56	Pass
Blue	A	PE-Cy7	108	115.76	715	-7	0.0092	18	Pass
Red	C	APC	360	28.95	600	-1	0.0190	141	Pass
Red	A	APC-Cy7	183	31.42	575	-1	0.0045	907	Pass
Violet	B	V450	64	70.23	471	-6	0.0369	1847	Pass
Violet	A	V500	114	38.17	489	-5	0.0201	1009	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.04	-32.35	1.13
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.49
Red	18.33	13.60 - 20.40	N/A	N/A	29.34	30.01	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11123

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments